Permit Authorized Private Construction

Authorized private building construction in Ohio was down 1.2 percent from 1980:I to 1981:I compared to an increase of 13.1 percent in the Nation (see Table 6). During 1981:I, the value of all authorized construction in Ohio totalled $534 million, for a decrease over the year of $7 million. Private housing, however, rebounded sharply in the State during 1981:I, with an increase of 32.2 percent in the number of dwelling units over the first quarter of 1980 compared to a gain of only 4.6 percent nationwide. In Ohio, weakness continued to be centered in the construction of industrial, office, mercantile, institutional, and educational buildings. A similar, though somewhat more moderate downward trend may be observed in the Nation, with the notable exception of office building construction which was up over 56 percent in value during 1981:I compared to 1980:I. The value of authorized additions to or alterations of existing structures continued to exhibit strong growth nationwide and in Ohio accounted for over forty percent of the dollar volume of authorized building construction during 1981:I.

TABLE 6—Permit Authorized Private Construction, United States and Ohio

	United States		Ohio				U.S.	State	U.S.	State
	1980:I	1981:I	1979:IV	1980:I	1980:IV	1981:I	1979:IV-1980:IV		1980:I-1981:I	
	Not seasonally adjusted						Percent change[3]			
All authorized private construction[1] Valuation (millions of dollars).....	19,442	21,989	957	541	814	534	12.6	-14.9	13.1	-1.2
New housing units										
Number of dwelling units.....	232,491	243,153	9,365	3,877	8,738	5,127	-2.7	-6.7	4.6	32.2
Valuation (millions of dollars).....	8,714	9,710	365	163	364	192	8.1	-0.2	11.4	17.7
Industrial buildings										
Number of buildings.....	4,468	4,458	401	140	198	112	-24.3	-50.6	-0.2	-20.0
Valuation (millions of dollars).....	1,564	1,451	128	86	47	28	-12.1	-63.0	-7.2	-67.4
Office buildings										
Number of buildings.....	3,774	4,049	210	92	156	77	-15.2	-25.7	7.3	-16.3
Valuation (millions of dollars).....	1,875	2,931	100	68	50	33	15.4	-49.7	56.3	-51.2
Stores and other mercantile buildings										
Number of buildings.....	7,908	6,835	421	193	231	161	-22.5	-45.1	-13.6	-16.6
Valuation (millions of dollars).....	1,474	1,445	87	37	38	34	-31.4	-56.3	-2.0	-5.9
Hospitals and other institutional buildings										
Number of buildings.....	244	227	42	9	18	9	-19.2	-57.1	-7.0	0.0
Valuation (millions of dollars).....	265	215	44	7	26	4	-27.0	-40.4	-18.9	-35.7
Educational buildings										
Number of buildings.....	348	374	35	12	16	6	-15.6	-54.3	7.5	-50.0
Valuation (millions of dollars).....	150	142	11	7	11	2	-15.5	-0.9	-5.3	-76.4
Religious buildings										
Number of buildings.....	757	841	61	6	22	15	-28.7	-63.9	11.1	150.0
Valuation (millions of dollars).....	176	186	17	1	6	3	-20.9	-66.9	5.7	233.1
Amusement buildings										
Number of buildings.....	773	810	59	22	28	24	-9.5	-52.5	4.8	9.1
Valuation (millions of dollars).....	108	146	12	3	4	3	-29.9	-65.3	35.2	0.7
Service stations and repair garages										
Number of buildings.....	733	821	40	16	51	29	4.4	27.5	12.0	81.3
Valuation (millions of dollars).....	38	39	4	1	3	2	-4.1	-36.6	2.6	66.1
Residential garages										
Number of buildings.....	19,859	21,030	2,955	802	1,647	887	-13.5	-44.3	5.9	10.6
Valuation (millions of dollars).....	107	95	13	4	8	4	-14.0	-41.8	-11.2	14.9
Other nonresidential buildings[2]										
Number of buildings.....	19,254	20,443	597	287	722	434	-6.5	20.9	6.2	51.2
Valuation (millions of dollars).....	598	507	15	10	10	10	80.2	-29.6	-15.2	3.9
Structures other than buildings										
Number of buildings.....	47,766	48,690	1,433	680	938	833	-5.5	-34.5	1.9	22.5
Valuation (millions of dollars).....	285	308	13	5	4	4	1.3	-68.7	8.1	11.6
Residential and nonresidential add. and alter. Valuation (millions of dollars).....	3,818	4,476	130	148	230	214	77.7	77.4	17.2	44.4

[1]Includes totals for new nonhousekeeping residential buildings, not shown separately.

[2]Includes totals for parking garages (open to general public) and public works and utilities buildings.

[3]Based on unrounded data.

Source: U.S. Department of Commerce, Bureau of the Census.

CHART 10—Permit Authorized Private Construction, Valuation by Selected Type of Construction, Percent Change, 1980:1 - 1981:1

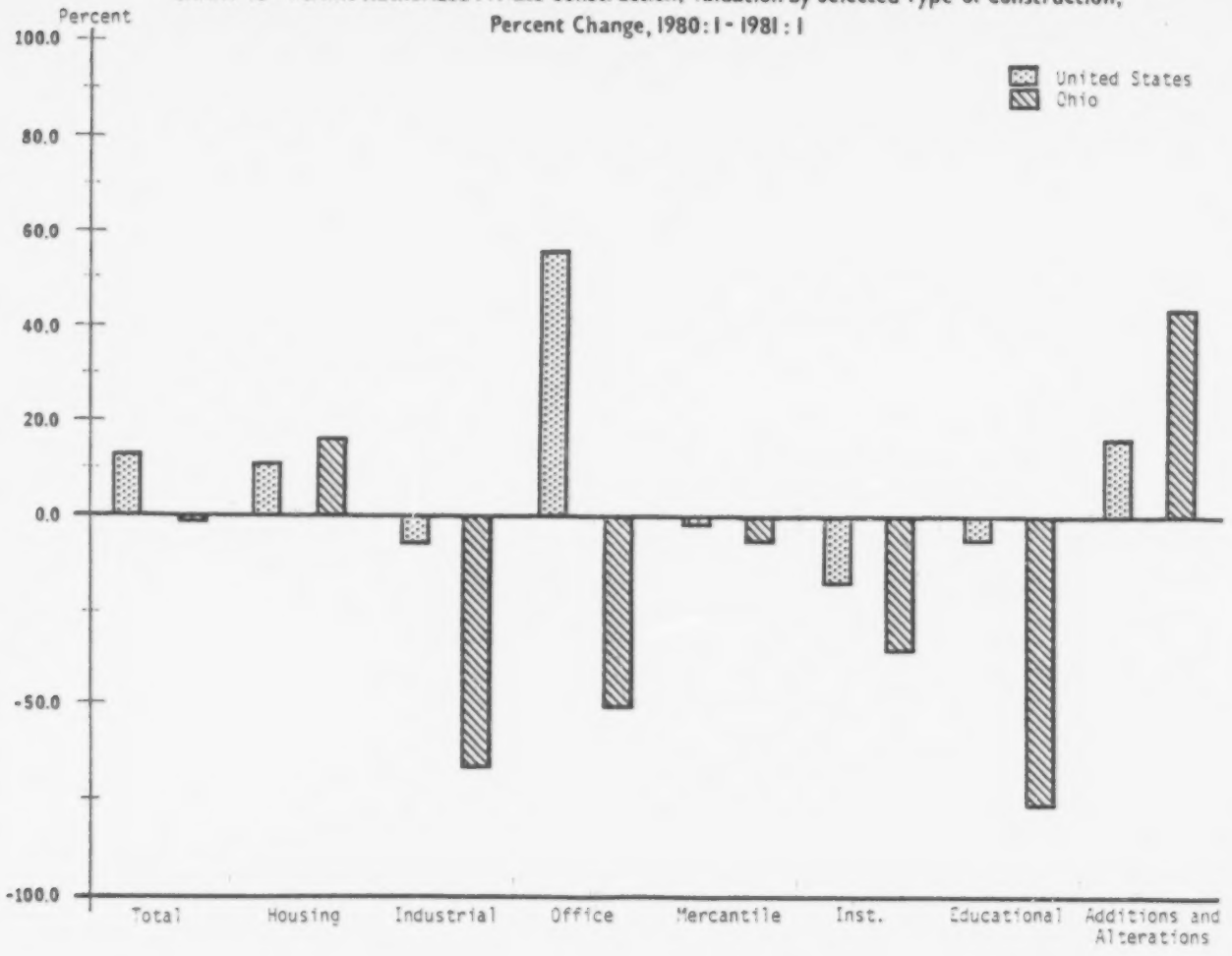


CHART 11—Permit Authorized Private Construction, Total Valuation

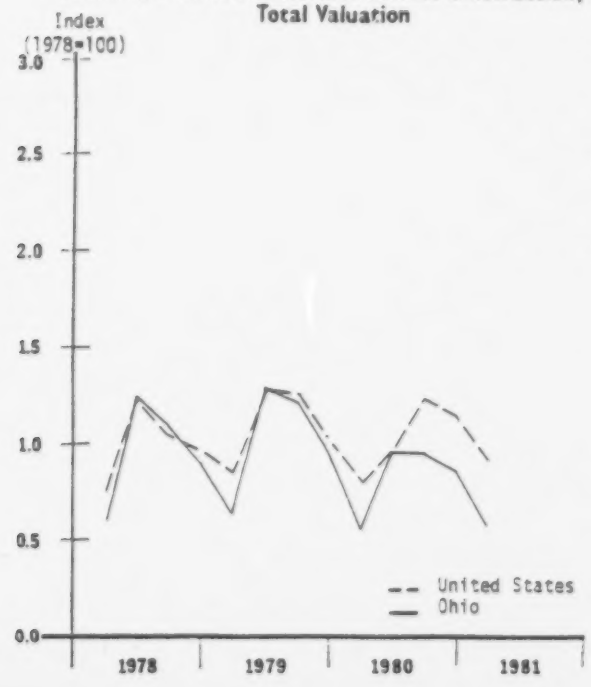


CHART 12—Permit Authorized Private Construction, Valuation of Permits by Type, Ohio

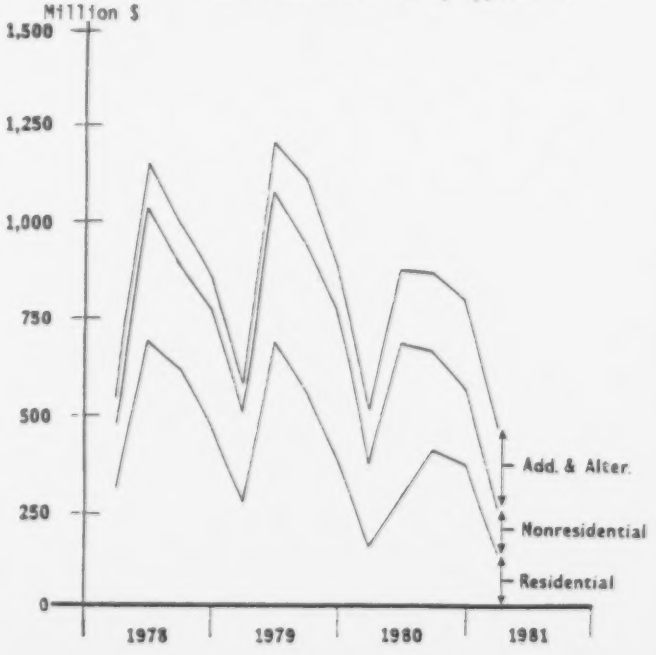


TABLE 7 – Electric Energy Sales by Type of Consumer, United States and Ohio

	United States		Ohio				U.S.	State	U.S.	State
	1980:I	1981:I	1979:IV	1980:I	1980:IV	1981:I	1979:IV-1980:IV		1980:I-1981:I	
	Millions of kilowatt-hours, not seas. adj.[1]						Percent change			
Electric Energy Sales.....	532,686	536,679	27,549	30,595	27,760	30,221	2.1	0.8	0.7	-1.2
Residential.....	190,852	193,066	7,575	9,818	7,930	9,927	5.1	4.7	1.2	1.1
Commercial.....	117,900	120,950	4,483	4,929	4,689	5,063	4.3	4.6	2.6	2.7
Industrial.....	205,076	203,080	14,552	14,833	14,165	14,250	-1.4	-2.7	-1.0	-3.9
Other.....	18,857	19,583	938	1,014	977	981	1.6	4.2	3.9	-3.3

[1]Detail may not add to totals because of rounding.

Source: U.S. Department of Energy, Energy Information Administration.

TABLE 8 – New Business Incorporations, United States and Ohio

	United States		Ohio				U.S.	State	U.S.	State
	1980:I	1981:I	1979:IV	1980:I	1980:IV	1981:I	1979:IV-1980:IV		1980:I-1981:I	
	Not seasonally adjusted						Percent change			
New business incorporations.....	133,592	141,128	3,690	4,043	3,814	4,137	6.2	3.4	5.6	2.3

Source: (U.S.) Dun & Bradstreet, Inc.
(Ohio) State of Ohio, Secretary of State.

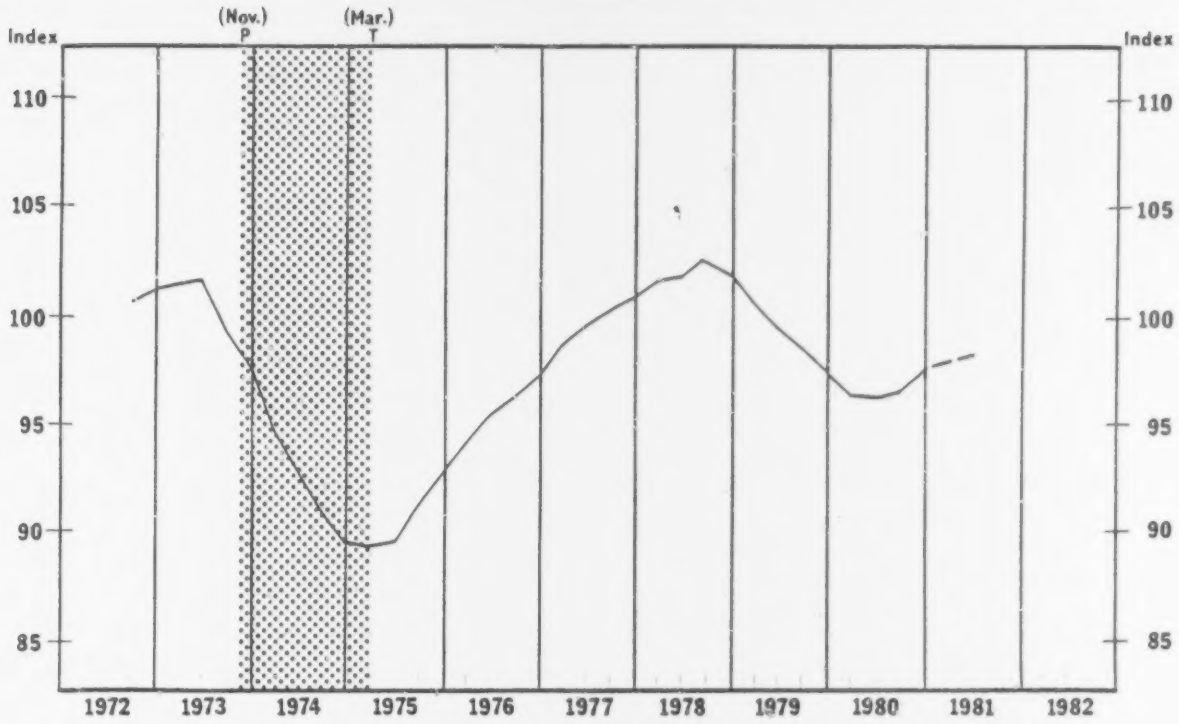
Ohio's Economy: Looking Ahead

The Ohio Index of Leading Indicators advanced only 0.3 percent during 1981:II to a preliminary level of 98.3 (1973=100), pointing toward continued flatness in Ohio's economy. On the basis of additional data, the 1980:IV index level was revised downward to 97.7, 1.6 percent below the previous preliminary estimate. The index increased during the second quarter as a result of modest gains by four of the five components; authorized housing units alone declined and to an extent which nearly cancelled out the positive movement by the other indicators. Once again, high interest rates were the culprit, averaging 16.4 percent on a 90 percent, thirty-year loan nationwide.[1]

[1]Federal Home Loan Bank Board, NEWS, "Mortgage Interest Rates at New Highs in Early June," July 7, 1981.

THE OHIO INDEX OF LEADING INDICATORS

(1973-100)



Year	Quarterly				Annual Average
	IQ	IIQ	IIIQ	IVQ	
1972	--	--	100.5	101.1	--
1973	101.4	101.5	99.5	97.6	100.0
1974	95.3	92.9	90.7	89.6	92.1
1975	89.3	89.6	90.9	92.7	90.6
1976	94.0	95.3	95.9	97.1	95.6
1977	98.4	99.5	100.2	100.9	99.3
1978	101.4	101.5	102.5	101.8	101.8
1979	100.7	99.6	98.5	97.5	99.1
1980	96.3	96.2	96.4	r97.7	p96.7
1981	p98.0	p98.3			

p = preliminary; r = revised

NOTE: The Ohio Index of Leading Indicators is designed to provide a statistical basis for measuring both the direction and magnitude of changes in aggregate economic activity at the state level. The Index is constructed as a weighted average of five seasonally adjusted components: Layoff Rate of Manufacturing Workers; Average Weekly Hours of Manufacturing Production Workers; Fourth Federal Reserve District Money Supply Estimate; New Private Housing Units Authorized by Building Permit; and New Business Incorporations. The last two quarters are preliminary. For a complete description, see Procedure for Estimating the Ohio Index of Leading Indicators, EDS-9.OILI.

Shaded area in chart indicates period of national recession as defined by the National Bureau of Economic Research, Inc. P = peak and T = trough. The date of the reference peak which signaled the beginning of the current recession has been determined as January, 1980. No trough has yet been identified.

Compiled by: Ohio Department of Economic and Community Development, Office of Research, P.O. Box 1001, Columbus, OH 43216.

OHIO POPULATION PROJECTIONS

The population projections for Ohio's 88 counties, presented on the opposite page, were calculated by the Ohio Data Users Center using results from the 1980 Census. These projections were produced in accordance with an interdepartmental agreement providing for the use of common population projections by all agencies of the State of Ohio. These data will continue to be available for official state use until additional 1980 Census results make revisions possible in late 1981 or early 1982. This information is presented in more detail in: Interim Population Projections, Ohio and Counties, by Age and Sex: 1980 to 2005 which is available for $7.50. Interested readers may obtain a copy by sending a check or money order (payable to: Ohio Department of Economic and Community Development) to:

Ohio Department of Economic and Community Development
Office of Research
P.O. Box 1001
Columbus, Ohio 43216

Please indicate on check that payment is for "population projections".

PREPARED BY:
OHIO DATA USERS CENTER

** INTERIM POPULATION PROJECTIONS **
** OHIO AND COUNTIES **

JANUARY,1981

COUNTY	1970 POPULATION	1980 POPULATION	1985 POPULATION	1990 POPULATION	1995 POPULATION	2000 POPULATION	2005 POPULATION
ADAMS	18,957	24,416	27,029	28,091	29,153	30,215	31,277
ALLEN	111,144	112,425	115,595	116,930	118,265	119,600	120,935
ASHLAND	43,303	46,249	47,990	49,789	51,588	53,387	55,186
ASHTABULA	96,237	104,370	108,027	110,375	112,723	115,071	117,419
ATHENS	55,747	56,516	61,327	63,349	65,371	67,393	69,415
AUGLAIZE	38,602	42,615	47,022	48,549	50,076	51,603	53,130
BELMONT	80,917	82,640	83,108	82,215	81,322	80,429	79,536
BROWN	26,635	32,363	34,792	36,594	38,396	40,198	42,000
BUTLER	226,207	259,319	274,826	288,560	302,294	316,028	329,762
CARROLL	21,579	25,566	26,536	27,783	29,030	30,277	31,524
CHAMPAIGN	30,491	33,763	35,861	36,642	37,423	38,204	38,985
CLARK	157,115	149,944	145,769	149,069	152,369	155,669	158,969
CLERMONT	95,372	128,027	148,137	160,260	172,383	184,506	196,629
CLINTON	31,464	34,755	36,846	37,848	38,850	39,852	40,854
COLUMBIANA	108,310	113,796	116,244	117,425	118,606	119,787	120,968
COSHOCTON	33,486	36,158	37,165	37,984	38,803	39,622	40,441
CRAWFORD	50,364	50,249	51,191	51,626	52,061	52,496	52,931
CUYAHOGA	1,720,835	1,499,167	1,417,259	1,351,678	1,286,097	1,220,516	1,154,935
DARKE	49,141	55,352	57,090	59,392	61,694	63,996	66,298
DEFIANCE	36,949	39,970	43,486	45,452	47,418	49,384	51,350
DELAWARE	42,908	53,701	57,368	61,852	66,336	70,820	75,304
ERIE	75,909	79,741	82,616	85,016	87,416	89,816	92,216
FAIRFIELD	73,301	93,889	103,286	110,557	117,828	125,099	132,370
FAYETTE	25,461	27,530	28,995	29,555	30,115	30,675	31,235
FRANKLIN	833,249	864,557	863,146	901,508	939,870	978,232	1,016,594
FULTON	33,071	37,887	40,340	42,417	44,494	46,571	48,648
GALLIA	25,239	30,262	31,493	32,499	33,505	34,511	35,517
GEAUGA	62,977	74,549	80,925	87,392	93,859	100,266	106,703
GREENE	125,057	130,376	135,451	143,593	151,735	159,877	168,019
GUERNSEY	37,665	41,988	44,214	45,018	45,822	46,626	47,430
HAMILTON	925,944	868,282	850,143	838,689	827,235	815,781	804,327
HANCOCK	61,217	64,391	67,497	69,868	72,239	74,610	76,981
HARDIN	30,813	32,803	33,983	34,657	35,331	36,005	36,679
HARRISON	17,013	18,227	18,771	18,715	18,659	18,603	18,547
HENRY	27,058	28,474	29,454	30,073	30,692	31,311	31,930
HIGHLAND	28,996	33,524	36,447	37,336	38,225	39,114	40,003
HOCKING	20,322	24,434	27,194	28,181	29,168	30,155	31,142
HOLMES	23,024	29,576	33,854	35,979	38,104	40,229	42,354
HURON	46,587	54,688	56,701	58,385	60,069	61,753	63,437
JACKSON	27,174	30,712	32,274	32,574	32,874	33,174	33,474
JEFFERSON	96,193	90,803	86,865	83,812	80,759	77,706	74,653
KNOX	41,795	46,435	49,526	51,707	52,888	54,269	55,650
LAKE	197,200	212,916	217,580	231,703	245,826	259,949	274,072
LAWRENCE	56,868	64,010	69,084	70,768	72,452	74,136	75,820
LICKING	107,799	121,296	128,173	135,111	142,049	148,987	155,925
LOGAN	35,072	39,193	40,978	42,025	43,072	44,119	45,166
LORAIN	256,843	274,979	284,122	296,718	309,314	321,910	334,506
LUCAS	483,551	472,993	468,504	469,304	470,104	470,904	471,704
MADISON	28,318	32,975	33,835	35,327	36,819	38,311	39,803
MAHONING	304,545	290,682	289,571	284,522	279,473	274,424	269,375
MARION	64,724	68,309	69,036	70,807	72,578	74,349	76,120
MEDINA	82,717	113,419	127,307	139,432	151,557	163,682	175,807
METGS	19,799	23,727	26,209	26,499	26,789	27,079	27,369
MERCER	35,558	38,381	38,958	40,046	41,134	42,222	43,310
MIAMI	84,342	90,781	94,339	98,389	102,439	106,489	110,539
MONROE	15,739	17,314	18,944	19,330	19,716	20,102	20,488
MONTGOMERY	608,413	569,255	561,405	556,231	551,057	545,883	540,709
MORGAN	12,375	14,241	14,996	15,395	15,794	16,193	16,592
MORROW	21,348	26,572	28,567	30,447	32,327	34,207	36,087
MUSKINGUM	77,826	83,641	86,350	86,781	87,212	87,643	88,074
NOBLE	10,428	11,381	11,496	11,646	11,796	11,946	12,096
OTTAWA	37,099	40,179	41,254	42,240	43,226	44,212	45,198
PAULDING	19,329	21,390	22,255	23,381	24,507	25,633	26,759
PERRY	27,434	31,079	32,377	33,124	33,871	34,618	35,365
PICKAWAY	40,071	43,853	43,842	45,406	46,970	48,534	50,098
PIKE	19,114	22,834	24,945	25,654	26,363	27,072	27,781
PORTAGE	125,868	136,261	140,952	151,472	161,992	172,512	183,032
PREBLE	34,719	38,321	40,556	41,862	43,168	44,474	45,780
PUTNAM	31,134	33,058	33,953	34,922	35,891	36,860	37,829
RICHLAND	129,997	131,787	132,856	135,272	137,688	140,104	142,520
ROSS	61,211	65,176	69,051	69,316	69,581	69,846	70,111
SANDUSKY	60,983	63,552	64,359	65,894	67,429	68,964	70,499
SCIOTO	76,951	84,878	89,836	89,432	89,028	88,624	88,220
SENECA	60,696	62,096	62,512	63,916	64,320	64,724	65,128
SHELBY	37,748	43,258	45,976	48,330	50,684	53,038	55,392
STARK	372,210	378,878	380,174	386,756	393,338	399,920	406,502
SUMMIT	553,371	526,115	515,774	511,541	507,308	503,075	498,842
TRUMBULL	232,579	238,970	234,914	240,414	245,914	251,414	256,914
TUSCARAWAS	77,211	84,694	88,770	90,483	92,196	93,909	95,622
UNION	23,786	29,647	32,340	34,118	35,896	37,674	39,452
VAN WERT	29,194	30,449	31,176	31,622	32,068	32,514	32,960
VINTON	9,420	11,632	12,848	13,180	13,512	13,844	14,176
WARREN	85,505	99,041	111,686	119,237	126,788	134,339	141,890
WASHINGTON	57,160	64,417	68,491	71,556	74,621	77,686	80,751
WAYNE	87,123	97,643	100,774	106,070	111,366	116,662	121,958
WILLIAMS	33,669	36,438	38,166	39,654	41,142	42,630	44,118
WOOD	89,722	107,670	115,533	124,190	132,847	141,504	150,161
WYANDOT	21,826	22,748	22,740	23,065	23,390	23,715	24,040
OHIO TOTAL	10,657,423	10,797,418	10,904,437	11,078,982	11,253,527	11,428,072	11,602,617

METHODOLOGY FOR INTERIM POPULATION PROJECTIONS

THIS SET OF POPULATION PROJECTIONS IS PRODUCED IN ACCORDANCE WITH THE AUGUST,1979 INTERDEPARTMENTAL AGREEMENT PROVIDING FOR THE USE OF COMMON POPULATION PROJECTIONS.

AT THIS TIME ONLY TOTAL POPULATION COUNTS ARE AVAILABLE FROM THE 1980 CENSUS. WHEN DETAILED INPUT DATA FROM THE 1980 CENSUS, SUCH AS AGE, RACE, SEX AND MIGRATION INFORMATION BECOMES AVAILABLE IN LATE 1981 OR EARLY 1982, THIS SET OF INTERIM PROJECTIONS WILL BE REPLACED.

THIS SET OF INTERIM POPULATION PROJECTIONS IS BASED ON A MODIFIED COMPONENT METHOD UTILIZING THE MOST CURRENT INPUT DATA AVAILABLE. EACH COMPONENT OF POPULATION CHANGE -- MIGRATION, BIRTHS AND DEATHS, IS HANDLED SEPARATELY. BECAUSE DATA PERTAINING TO POPULATION CHARACTERISTICS FROM THE 1980 CENSUS OF POPULATION AND HOUSING ARE NOT PRESENTLY AVAILABLE, WE HAVE NOT TREATED EACH SUBGROUP OF THE POPULATION SEPARATELY.

THIS SET OF POPULATION PROJECTIONS BEGINS WITH 1980 CENSUS FINAL FIELD COUNTS (1) FOR COUNTIES. SINCE THE SUM OF THESE COUNTS WAS LESS THAN THE OFFICIAL FINAL STATE COUNT OF 10,797,419 (2) REPORTED TO THE PRESIDENT, WE HAVE PROPORTIONALLY ADJUSTED EACH COUNTY BASED ON ITS PROPORTION OF THE FINAL STATE TOTAL (3). THE RESULTING ADJUSTED BASE POPULATION WAS THEN PROJECTED IN FIVE YEAR INTERVALS TO THE YEAR 2005.

MIGRATION DATA FOR THESE PROJECTIONS ARE FOR THE PERIODS 1960 TO 1980,1970 TO 1975, FINALLY 1975 TO 1980. A SET OF NET 1970-80 MIGRATION COUNTS FOR EACH COUNTY WAS PRODUCED BY ADDING THE NET NATURAL INCREASE TO THE 1970 POPULATION COUNT AND THEN SUBTRACTING THE RESULT FROM THE "ADJUSTED 1980 FINAL FIELD COUNT" (5). CONGRUENTLY,1975-80 NET MIGRATION COUNTS WERE OBTAINED BY SUBTRACTING 1970-75 NET MIGRATION (6) FROM THE 1970-80 NET MIGRATION COUNTS.

FOR THE PERIOD 1980 TO 1985 IT WAS ASSUMED THE MOST RECENT FIVE YEARS OF MIGRATION 1975-80, WOULD BE MOST LIKELY TO OCCUR. FOR THE PERIOD AFTER 1985 THE NET MIGRATION FOR 1960-80 WAS DIVIDED BY FOUR FOR EACH SUBSEQUENT FIVE YEAR PERIOD. TRANSLATED INTO ACTUAL NUMBERS,1975-80 NET MIGRATION FOR THE STATE WAS -230,019 WHILE 25% OF THE 1960-80 NET MIGRATION WAS -148,131. THUS, BY CHANGING FROM THE CURRENT FIVE YEARS OF MIGRATION TO A LONGER TIME FRAME, THERE IS AN ABSOLUTE NUMBER OF OUTMIGRANTS.

FERTILITY AND MORTALITY ASSUMPTIONS FOR EACH COUNTY SUM TO A STATE TOTAL THAT IS CONSISTENT WITH THE SERIES II NATIONAL PROJECTIONS PREPARED BY THE U.S. BUREAU OF THE CENSUS (7). THE ABSOLUTE SUM OF BIRTHS AND DEATHS (1970-80) FOR COUNTY WERE DIVIDED BY TWO. THE RESULTING FIGURE CAN BE SEEN AS A FIVE YEAR AVERAGE OF BIRTHS AND DEATHS OVER THE DECADE FROM 1970-80.

THE FOLLOWING FORMULAE PROJECT EACH COUNTY'S POPULATION:

1) COUNTY X 1985 POPULATION=(((1980 ADJUSTED COUNTY + 1970-1980 BIRTHS/2) - 1970-1980 DEATHS/2) + 1975-1980 NET MIGRATION))
2) COUNTY X 1990 POPULATION=(((1985 POPULATION + 1970-1980 BIRTHS/2) - 1970-1980 DEATHS/2) + 1960-1980 NET MIGRATION/4))
3) COUNTY X 1995 POPULATION=(((1990 POPULATION + 1970-1980 BIRTHS/2) - 1970-1980 DEATHS/2) + 1960-1980 NET MIGRATION/4))
4) COUNTY X 2000 POPULATION=(((1995 POPULATION + 1970-1980 BIRTHS/2) - 1970-1980 DEATHS/2) + 1960-1980 NET MIGRATION/4))
5) COUNTY X 2005 POPULATION=(((2000 POPULATION + 1970-1980 BIRTHS/2) - 1970-1980 DEATHS/2) + 1960-1980 NET MIGRATION/4))
6) STATE TOTALS FOR EACH TIME PERIOD ARE SIMPLY THE SUM OF THE COUNTIES FOR THAT PERIOD.

IT SHOULD BE NOTED THAT ACTUAL NUMBERS, NOT RATES, WERE USED AS INPUT DATA FOR FERTILITY AND MORTALITY MEASUREMENTS. THIS RESULTS IN A NUMBER OF BIRTHS THAT WOULD REQUIRE A SLIGHTLY INCREASING BIRTH RATE OVER THE NEXT 20 YEARS. CONVERSELY THE NUMBER OF DEATHS IF TRANSLATED TO RATES WOULD SHOW A SLIGHT DECLINE IN THE RATE OVER THE TWENTY YEAR PERIOD.

NOTES

(1) 1980 FINAL FIELD COUNT... ARE THE COUNTS ISSUED BY EACH REGIONAL CENSUS FIELD OFFICE AT THE TIME THE OFFICE WAS OFFICIALLY CLOSED.
(2) ON DECEMBER 31,1980, THE PRESIDENT, AS STATUTORILY MANDATED, REPORTED TO CONGRESS THE OFFICIAL FINAL COUNTS FOR THE STATES, FROM THE 1980 CENSUS. THE COUNT REFLECTS ANY CHANGES MADE TO THE FINAL FIELD COUNTS AFTER EDITING CHECKS.
(3) COUNTY A/STATE TOTAL X OFFICIAL FINAL STATE TOTAL (10,797,419).
(4) NET MIGRATION OF THE POPULATION, 1960-70, BY AGE, SEX, AND COLOR, PART 7, UNIVERSITY OF GEORGIA, ATHENS, GEORGIA, JULY, 1977.
(5) NET MIGRATION 1970-1980=(1980 FINAL FIELD COUNT - ((1970 POPULATION + 1970-1980 BIRTHS) - 1970-80 DEATHS)).
(6) ESTIMATES OF THE POPULATION OF OHIO COUNTIES AND METROPOLITAN AREAS: JULY 1, 1975 (REVISED) AND 1976 (PROVISIONAL). SERIES P-26, NO. 76-35, ISSUED DECEMBER 1977.
(7) SERIES P-25, NO. 735.

SIC

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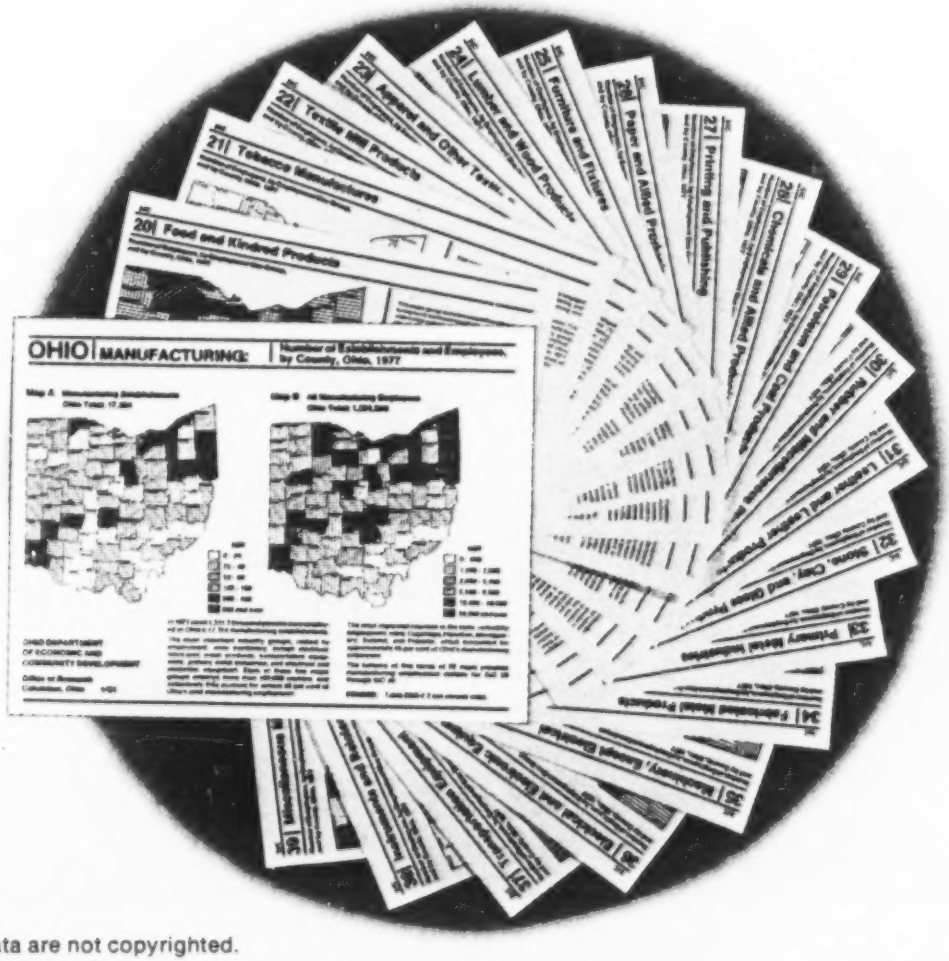
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23 Apparel and Other Textile...
24 Lumber and Wood Products
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30 Rubber and Miscellaneous Plastics
31 Leather and Leather Products
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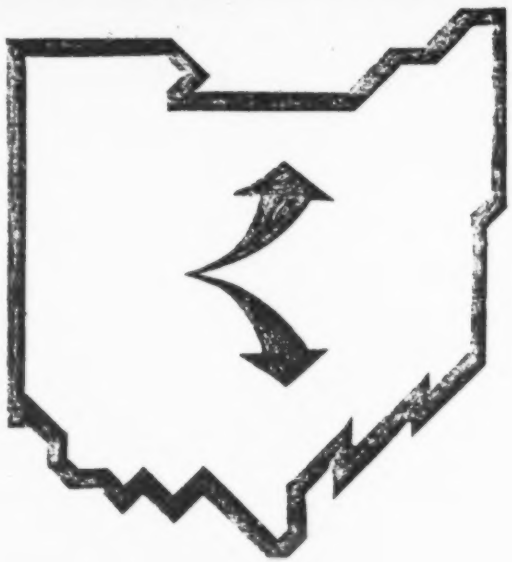

October 1981

Vol. I No. 4

Ohio Department of Economic and Community Development, Office of Research

Highlights

1980:II to 1981:II

Personal Income	-Up 11.6%, 0.5 percentage point below the U.S. -Manufacturing payrolls up sharply -Gains in both durable and nondurable goods payrolls above national average
Consumer Prices	-Up 8.0% in Cincinnati and 12.1% in Cleveland vs. 9.8% in the U.S.
Retail Sales	-Up 8.3% vs. 12.6% in the Nation
Employment	-Up 2.4% to 4.7 million compared to a 1.8% gain nationally
Unemployment	-Rate down to 8% of labor force vs. 7.3% in the U.S.
Commercial Banking	-Total loans up 1.7% vs. 9.9% nationwide -Total deposits up 3.4% vs. a 10.1% gain in the Nation
Construction	-Total valuation of all authorized construction down 5.5% vs. a 28% increase in the U.S. -Number of new private housing units up 24.9% vs. a 20% increase nationally

Ohio Economic Indicators Quarterly

State of Ohio, James A. Rhodes, Governor
Department of Economic and Community Development, James A. Duerk, Director

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Analysis

Personal Income

Total personal income in Ohio (seasonally adjusted at annual rates) grew by over $11 billion from 1980:II to 1981:II, to $110.2 billion (see Table 1). This represented a growth of 11.6 percent or only 0.5 percentage point below the national average. Both farm and nonfarm sectors recorded income gains overall in Ohio although the farm sector lagged well behind the rest of the State's economy at 4.8 percent. State unemployment insurance benefits were down nearly 20 percent from 1980:II to an annualized rate of just over $1 billion. This was well off the record rate of over $1.5 billion during 1980:III.

Wage and salary disbursements in Ohio (payrolls), increased $7.2 billion or 11.2 percent from 1980:II to 1981:II compared to only 11 percent nationwide. Manufacturing payrolls continued to show strong growth during the second quarter, posting a record annualized total payroll of $27.9 billion which was nearly 16 percent above the same quarter last year. Both durable and nondurable goods outperformed national averages at 16.6 and 13.8 percent respectively. Income gains were recorded for all other sectors in Ohio as well with the exception of mining which was down over 11 percent.

CHART I—Personal Income, Percent Change,
1980:II - 1981:II
(Seasonally adjusted)

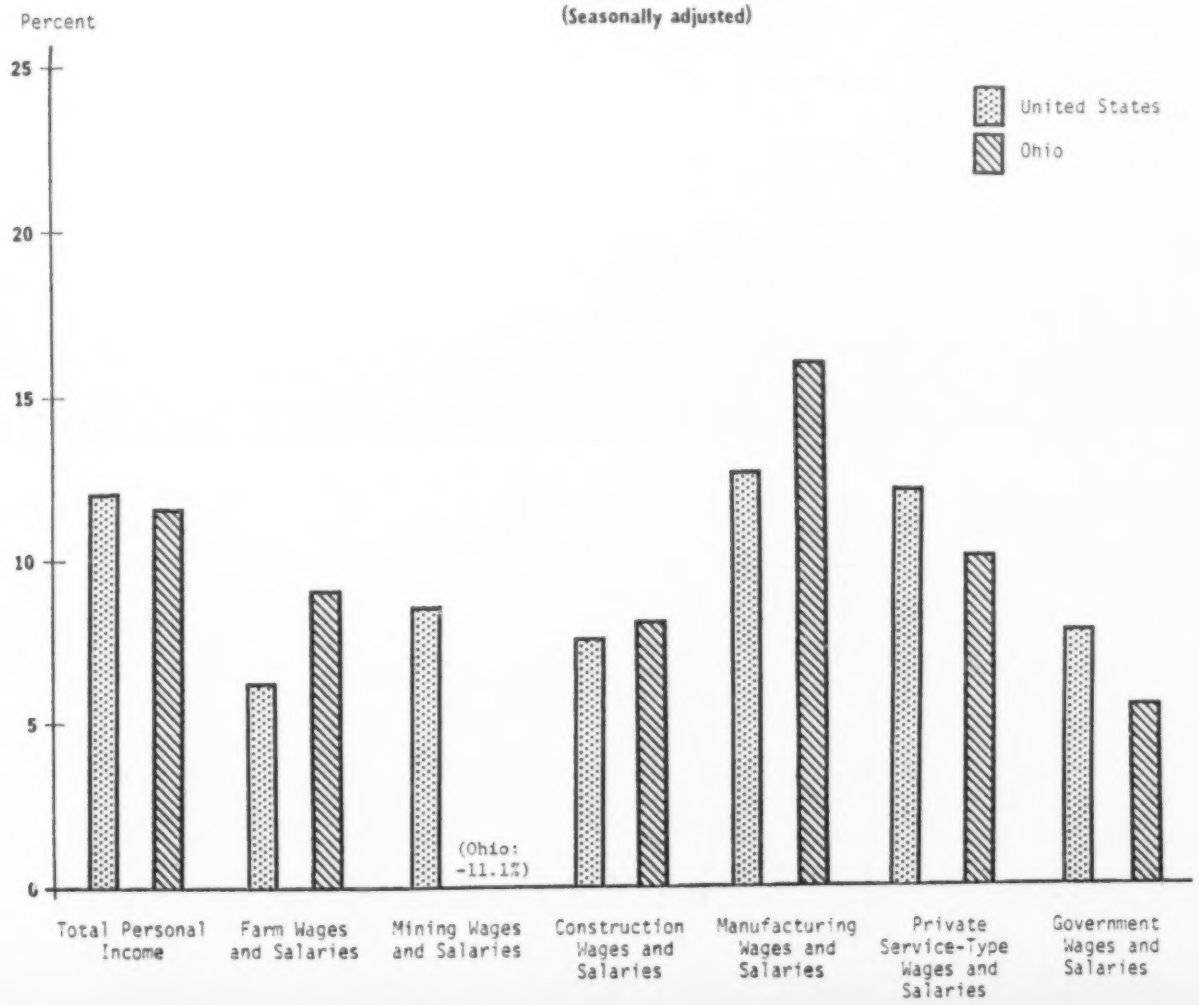
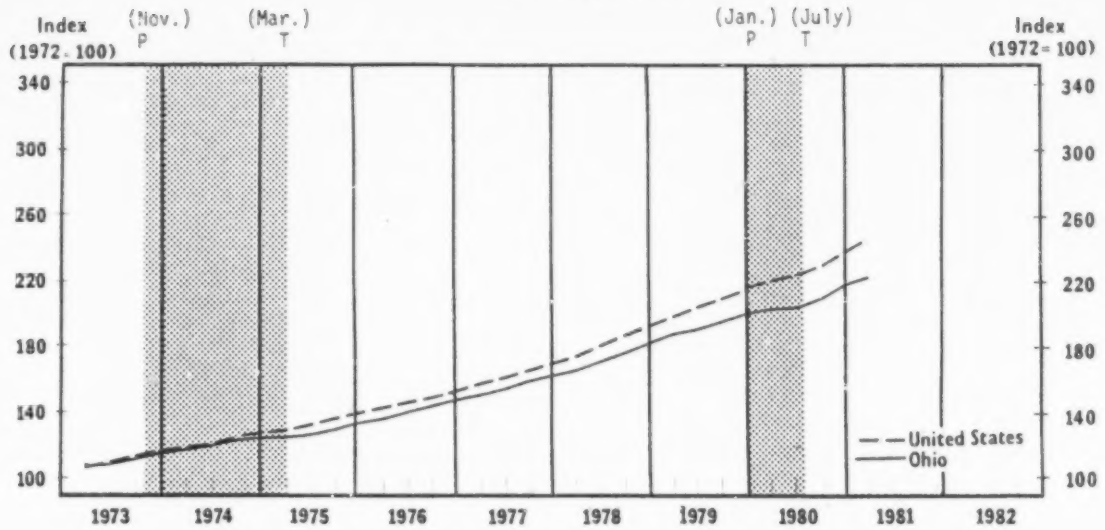


CHART 2 – Total Personal Income

(Seasonally adjusted)



Shaded areas indicate periods of national recession as defined by the National Bureau of Economic Research, Inc. P = peak and T = trough.

TABLE I–Personal Income, United States and Ohio

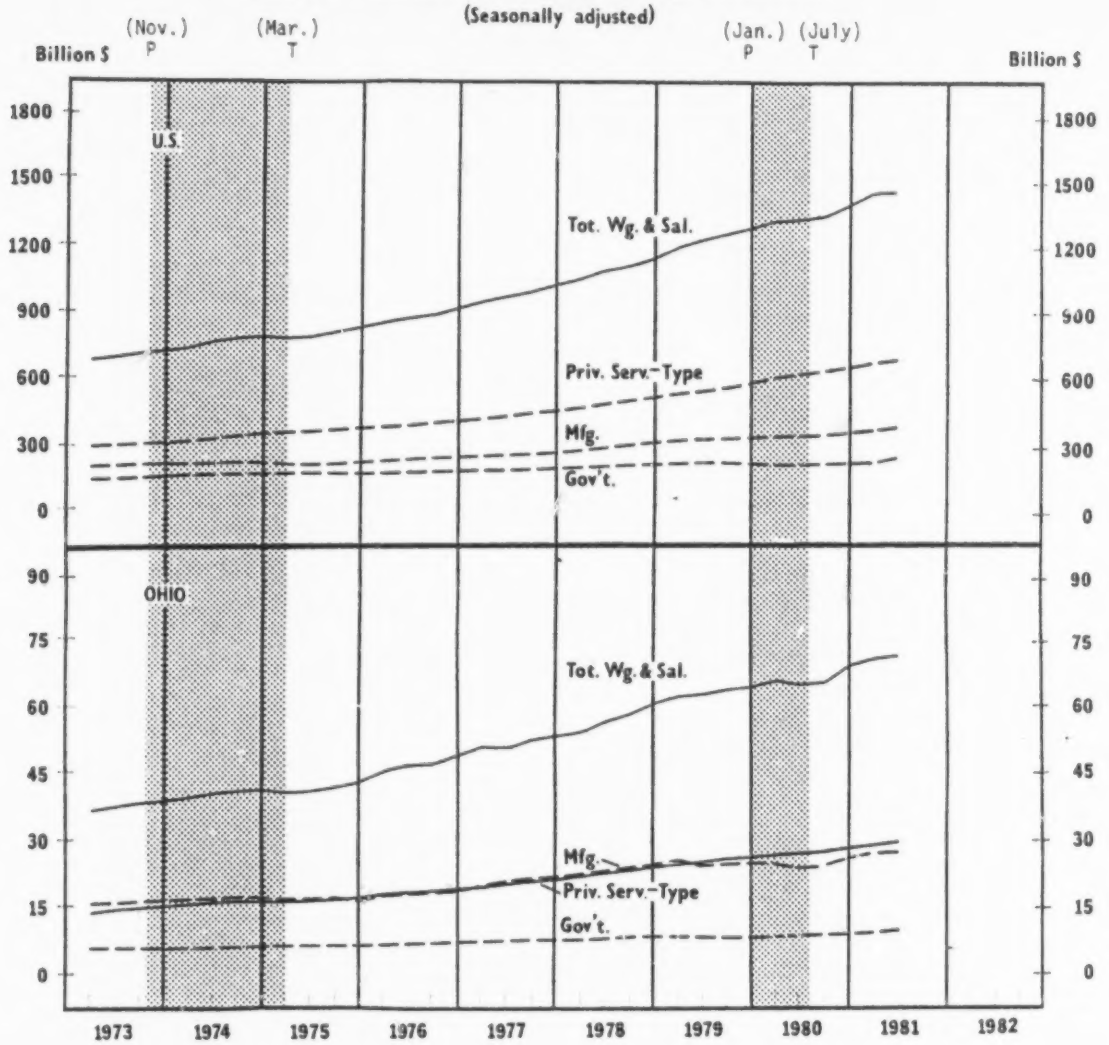
	United States		Ohio				U.S.	State	U.S.	State
	1980:II	1981:II	1980:I	1980:II	1981:I	1981:II	1980:I-1981:I		1980:II-1981:II	
	Millions of dollars, seas. adj. at ann. rates[1]						Percent change			
Total personal income..	2,088,490	2,340,535	98,563	98,777	108,025	110,198	11.1	9.6	12.1	11.6
Farm personal income.....	29,521	31,169	761	792	683	830	-9.3	-10.3	5.6	4.8
Nonfarm personal income.....	2,058,969	2,309,366	97,802	97,985	107,342	109,368	11.5	9.8	12.2	11.6
Total personal income..	2,088,490	2,340,535	98,563	98,777	108,025	110,198	11.1	9.6	12.1	11.6
Wage & salary disbursements.....	1,318,086	1,462,854	65,478	64,482	70,493	71,701	9.7	7.7	11.0	11.2
Other labor income.....	138,950	156,212	7,085	7,134	7,858	8,087	13.1	10.9	12.4	13.4
Proprietors' income.....	118,379	130,075	5,091	4,846	5,197	5,303	1.4	2.1	9.9	9.4
Farm.....	19,364	20,359	478	500	374	510	-16.8	-21.8	5.1	2.0
Nonfarm.....	99,015	109,716	4,613	4,347	4,823	4,792	5.0	4.6	10.8	10.2
Dividends, interest & rent.....	317,070	368,528	12,748	13,318	14,687	15,258	16.9	15.2	16.2	14.6
Transfer payments.....	282,372	326,442	12,949	13,688	15,274	15,492	17.6	18.0	15.6	13.2
State unemp. ins. benefits.....	15,084	14,680	740	1,271	1,014	1,018	35.9	37.0	-2.7	-19.9
Less personal contributions.....	85,905	103,050	4,247	4,165	4,910	4,959	18.5	15.6	20.0	19.1
Plus residence adjustment.....	-462	-526	-540	-526	-574	-684	--	--	--	--
Wage & salary disbursements.....	1,318,086	1,462,854	65,478	64,482	70,493	71,701	9.7	7.7	11.0	11.2
Farm.....	9,512	10,119	276	285	302	311	6.4	9.4	6.4	9.1
Nonfarm.....	1,308,574	1,452,735	65,202	64,197	70,191	71,390	9.7	7.7	11.0	11.2
Mining.....	22,494	24,394	663	674	764	599	19.2	15.2	8.5	-11.1
Construction.....	75,876	81,548	3,492	3,402	3,701	3,679	6.2	6.0	7.5	8.1
Manufacturing.....	344,246	387,753	25,235	24,067	27,024	27,885	8.5	7.1	12.6	15.9
Durable goods.....	220,838	250,236	18,517	17,407	19,615	20,302	7.8	5.9	13.3	16.6
Nondurable goods.....	123,408	137,517	6,718	6,660	7,409	7,582	9.8	10.3	11.4	13.8
Private service-type.....	617,460	691,483	26,953	26,922	29,142	29,618	11.2	8.5	12.0	10.0
Trans., comm. & pub. ut. ...	101,466	111,117	4,638	4,665	4,844	4,889	8.0	4.4	9.5	4.8
Wholesale & retail trade....	222,325	246,789	10,442	10,260	11,078	11,176	9.5	6.1	11.0	8.9
Fin., ins. & real estate....	76,181	85,687	2,677	2,787	3,075	3,119	13.7	14.9	12.5	11.9
Services.....	217,488	247,890	9,096	9,210	10,145	10,434	13.6	11.5	14.0	13.3
Government.....	243,904	262,654	8,841	9,012	9,432	9,483	8.0	6.7	7.7	5.2
Federal.....	79,635	87,623	2,121	2,199	2,287	2,300	10.8	7.8	10.0	4.6
State & local.....	164,269	175,031	6,720	6,813	7,145	7,183	6.7	6.3	6.6	5.4
Other.....	4,594	4,903	118	119	127	126	9.2	7.6	6.7	5.9

1. Detail may not add to totals because of rounding.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Measurement Division.

CHART 3 – Industrial Composition of Wages and Salaries

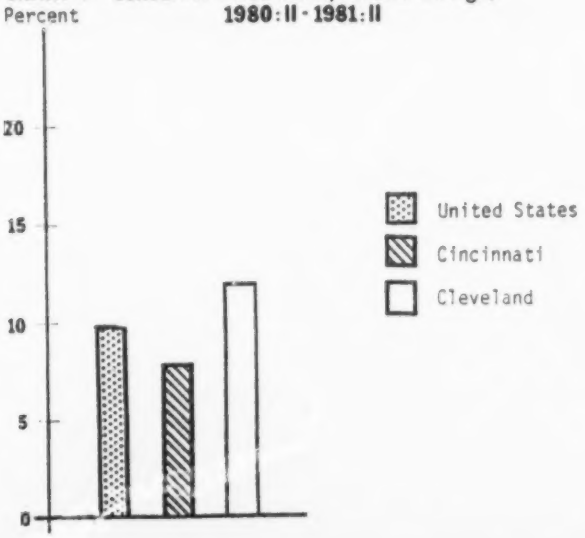
(Seasonally adjusted)



Shaded areas indicate periods of national recession as defined by the National Bureau of Economic Research, Inc. P = peak and T = trough.

Consumer Price Index

CHART 4 – Consumer Price Index, Percent Change, 1980:II - 1981:II



Consumer prices in the Nation continued to rise though at slower rates from 1980:II to 1981:II with an increase of 9.8 percent for all items. Inflation also slowed somewhat for both the Cincinnati and Cleveland metropolitan areas (see Table 2 and Chart 4) with increases of 8.0 and 12.1 percent respectively. Contributing to the moderation in the CPI were lower retail price increases in the basic necessity categories of food, housing, and transportation for the Nation and the two metropolitan areas.